# BRUHAT BANGALORE MAHANAGARA PALIKE

## YELAHANKA ZONE

**Modified Cost Rs. 19.82 Lakhs**

**Name of Work:-Modified estimate for the Construction of drain and concrete roads in Sanitary core in ward no :04**

| Sl No | Description of item | Unit | No | L | B | D | Qty | Rate | Amount |
|---|---|---|---|---|---|---|---|---|---|
| 1 | KSRB 2-2.2 : Earth work excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches 1.5m and above in width, in hard soil not exceeding 1.5m , in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50m. specification, specification. No. KBS 2.1(b) / 2.3.5, No. 5/ Item No. 2.4/ PWD SR 2014-15 | Cum | | | | | | | |
| | For culvert s | | 4 | 3.50 | 1.50 | 0.80 | 16.80 | | |
| | RCC drain | | 1 | 195.00 | 0.80 | 0.75 | 117.00 | | |
| | Road surface | | 1 | 160.00 | 2.95 | 0.23 | 108.56 | | |
| | Road cutting | | 1 | 12.00 | 1.80 | 0.20 | 4.32 | | |
| | | | | | | | **246.68** | | |
| | | A)Up to125% of quantity | | | | | **203.28** | **264.00** | **53664.60** |
| | | B)Above 125% of quantity | | | | | **43.41** | **262.80** | **11406.87** |
| | Basic Rate | 245.00 | | | | | | | |
| | Area Weightage @ 8% | 19.60 | | | | | | | |
| | **Total** | **264.60** | | | | | | | |
| | Tender premium(-0.68%) | **1.80** | | | | | | | |
| | | **262.80** | | | | | | | |
| 2 | KSRB 4-1.3:Providing and laying in position plain cement concrete of mix 1:4:8 with OPC cement @180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @0.57cum machine mixed,machine mixed,concrete laid in layers not exeeding 15cms.thick, well compacted in foundation,including cost of all materials,labour,HOM of machinery,curing complete as per specifications.Specification no KBS4.1,4.2(Item no4.3,Page no12,PWD SR 2014-15) | Cum | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | For culvert s | | 4 | 3.50 | 1.50 | 0.20 | 4.20 | | |
| | RCC drain bed | | 1 | 195.00 | 0.75 | 0.15 | 21.94 | | |
| | Road concrete | | 1 | 160.00 | 2.95 | 0.15 | 70.80 | | |
| | Road cutting | | 1 | 12.00 | 1.80 | 0.15 | 3.24 | | |
| | | | | | | | **100.18** | **4800.00** | **480852.00** |
| 3 | KSRB 4.2.2 : Providing and laying in position Reinforced cement concrete of design mix M20 with OPC cement @ 320kgs, with 20mm and down size graded granite metal coarse aggregates @0.69cum and fine aggregates @0.460cum with super plasterise @ 3lts conforming etc as per specification&direction of the engineer incharge of work(pwd sr2014-15,p.no13,sno4.11) | Cum | | | | | | | |
| | For culvert bottom concrete | | 4 | 3.50 | 1.30 | 0.20 | 3.64 | | |
| | Sides | | 8 | 3.50 | 0.23 | 0.70 | 4.51 | | |
| | For deck slab | | 4 | 3.50 | 1.30 | 0.23 | 4.19 | | |
| | RCC drain bed | | 1 | 195.00 | 0.60 | 0.15 | 17.55 | | |
| | RCC drain wall | | 2 | 195.00 | 0.15 | 0.55 | 32.18 | | |
| | | | | | | | **62.06** | | |
| | | A)Up to125% of quantity | | | | | **38.65** | **6000.00** | **231900.00** |
| | | B)Above 125% of quantity | | | | | **23.41** | **6024.04** | **141016.66** |
| | Basic Rate | 5616.00 | | | | | | | |
| | Area Weightage @ 8% | 449.28 | | | | | | | |
| | **Total** | **6065.28** | | | | | | | |
| | Tender premium(-0.68%) | **41.24** | | | | | | | |
| | | **6024.04** | | | | | | | |
| 4 | KSRB 4.9.2: Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per specifications.Specification noKBS 4.6.3,TMT bars Fe550(pwd sr2014-15,p.no17,s.no4.46) | Qtl | | | | | | | |
| | For culvert 85 kg / cum | | | | | | **52.75** | **7900.00** | **416726.19** |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 5 | KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, attached pilasters,bittresses,buttresses plinth and string course including cost of all materials,labour complete asperspecification. Specification no.KBS 4.6.2(pwd sr2014-15,p.no15/4.31) | Sqm | | | | | | | |
| | For culverts side wall | | 16 | 3.50 | | 0.70 | 39.20 | | |
| | For culverts deck slab | | 4 | 3.50 | 0.70 | | 9.80 | | |
| | For sides | | 4 | 3.50 | | 0.60 | 8.40 | | |
| | For drain | | 4 | 195.00 | | 0.55 | 429.00 | | |
| | | | | | | | **486.40** | **292.00** | **142028.80** |
| 6 | Providing and fixing Precast RCC Slabs as Per approved design, specification and Direction Engineer-in-Charge. (Approved Data Rate). | Sqm | | | | | | | |
| | RCC drain bed | | 1 | 195.00 | 0.60 | | 117.00 | | |
| | Missing slabs | | 123 | 0.90 | 0.60 | | 66.42 | | |
| | | | | | | | **183.42** | **1230.00** | **225606.60** |
| 7 | KSRRB 4.1:6Providing and laying in position plain **cement concrete mix 1:2:4** with cement @240kgs,with 20mm and down size graded granite metal coarse aggregates @0.69 cum and fine aggregates @0.459cum, machine mixed, concrete laid in layers not exceeding 15cms thick well compacted,in foundation,plinth and cills,including cost of all materials, labour, HOM of machineries, curing complete as per specifications. Specification no 4.1,4.2 **(Page.12 & Item No. 4.6)** | | | | | | | | |
| | Road concrete | | 1 | 160.00 | 2.95 | 0.10 | 47.20 | | |
| | Road cutting | | 1 | 12.00 | 1.80 | 0.10 | 2.16 | | |
| | | | | | | | **49.36** | **5300.00** | **261608.00** |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 8 | KSRRB M100-1 Loading and un loading of stone boulder/Stone aggregates/sand/kanker/Moorum.KSR RB M100-1:Placing tipper at loading point,loading with front end loader,dumping,turning for return trip,excluding time for haulage and return trip complete as per specifications(Item no17.1,Page no 130, PWD SR 2014-15) | Cum | | | | | | | | |
| | | | Vide Item No.1 | | | | | 246.68 | | |
| | | | A)Up to125% of quantity | | | | | 203.28 | 68.00 | 13822.70 |
| | | | B)Above 125% of quantity | | | | | 43.41 | 67.58 | 2933.19 |
| | Basic Rate | 63.00 | | | | | | | | |
| | Area Weightage @ 8% | 5.04 | | | | | | | | |
| | **Total** | **68.04** | | | | | | | | |
| | Tender premium(-0.68%) | **0.46** | | | | | | | | |
| | | **67.58** | | | | | | | | |
| | | | | | | | | | | |
| 9 | Miscellaneous charges | L/S | | | | | | | | 425.39 |
| | | | | | | | | | **Total RS** | **1981991.00** |
| **(Rupees Nineteen lakhs Eightyone thousand ninety one only)** | | | | | | | | | | |

**Certificate**

1 The work spot has been inspected and the work is found necessary.
2 This estimate is prepared as per C.S.R. of 2014-15
3 The provisions were made in this estimate are necessary and adequate.
4 This works come under B.B.M.P. limits.

Assistant Engineer
Ward no: 04

Assistant Executive Engineer
Yelahanka New town Sub Division
Bangalore-64

Executive Engineer
Yelahanka Division
Bangalore-64

"Modified Estimate Sanctioned"

Chief Engineer
Yelahanka Zone
Bruhath Bangalore Mahanagara
Bangalore 92